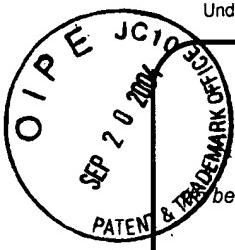


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		Application Number	10/078,949
		Filing Date	February 20, 2002
		First Named Inventor	Stanley T. Crooke
Total Number of Pages in This Submission		Group Art Unit	To Be Determined
		Examiner Name	To Be Determined
		Attorney Docket Number	ISIS0002-103 (ISIS-5027)

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers <i>(for an Application)</i>	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (<i>Appeal Notice, Brief, Reply Brief</i>)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i>
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Form PTO/SB/08a and Form PTO/SB/08b;
<input checked="" type="checkbox"/> Supplemental Information Disclosure Statement	<input type="checkbox"/> Request for Refund	Copy of (3) Cited References; and, International Search Report Dated August 23, 2004 for International Application No. PCT/US03/09808.
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		Remarks
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

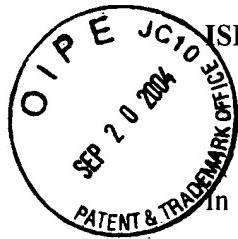
Firm or Individual name	Paul K. Legaard, Ph.D., Registration No. 38,534
Signature	
Date	SEPTEMBER 19, 2004

CERTIFICATE OF MAILING

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ISIS0002-103 (ISIS-5027)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Crooke

Serial No.: 10/078,949

Group Art Unit: To Be Determined

Filing Date: February 20, 2002

Examiner: To Be Determined

For: Oligoribonucleotides And Ribonucleases For Cleaving RNA

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On 14 SEPTEMBER 2004



Paul K. Legaard, Ph.D., Registration No. 38,534

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §§ 1.56 and in accordance with 37 C.F.R. §§ 1.97 and 1.98, information relating to the above-identified application is hereby disclosed, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO Form SB/08A and PTO Form SB/08B, formerly known as PTO Form 1449 submitted herewith.

Inclusion of the information submitted herewith is not to be construed as an admission that the information is material as that term is defined in 37 C.F.R. § 1.56(b).

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being filed:

- within three months of the filing date of the patent application.
- within three months of the date of entry into the national stage as set forth in 37 C.F.R. § 1.491 of the international application.
- before** the mailing date of a first Office Action on the merits.
- after** the mailing date of a first Office Action on the merits, but before the mailing date of a Final Office Action under 37 C.F.R. § 1.116 or a Notice of Allowance under 37 C.F.R. § 1.311, and accordingly is accompanied by:
 - the Statement under 37 C.F.R. § 1.97(e) (see "Statement" below);
or
 - the Fee of \$180.00 set forth in 37 C.F.R. § 1.17(p); or
 - No fee is owed by the applicant(s).
- In accordance with 37 C.F.R. § 1.129(a), this Information Disclosure Statement is being filed in connection with the first or second After Final Submission, and accordingly is accompanied by the Statement under 37 C.F.R. § 1.97(e) (see "Statement" below) and the fee of \$180.00 as set forth in 37 C.F.R. § 1.17(p), is attached.
- after** the mailing date of a Final Office Action under 37 C.F.R. § 1.116 or a Notice of Allowance under 37 C.F.R. § 1.311, but before, or simultaneously with, the payment of the Issue Fee, and accordingly is accompanied by the Statement under 37 C.F.R. § 1.97(e), a Petition requesting consideration of the Information Disclosure Statement and the Petition Fee of \$130.00 set forth in 37 C.F.R. § 1.17(i)(1) (see "Statement," "Petition," and "Fees" below).
- A copy of the references listed on the attached PTO Form SB/08a and PTO Form SB/08b, formerly known as PTO Form 1449 is enclosed. Also enclosed is a copy of the International Search Report Dated August 23, 2004 for International Application No. PCT/US03/09808.

EXCEPT THAT:

- In view of the voluminous nature of reference @@, and the likelihood that this reference is available to the Examiner, copies are not enclosed herewith.
- In accordance with 37 C.F.R. § 1.98(d), copies of the following references listed on the attached PTO Form SB/08A and PTO Form SB/08B, formerly known as PTO Form 1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. § 120 have been made in the instant application.
- If any of the foregoing publications are not available to the Examiner, Applicant will endeavor to supply copies at the Examiner's request.

Statement under 37 C.F.R. § 1.97(e)

- The undersigned attorney hereby states that each item information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of the Information Disclosure Statement.

Fees

- No Fee is owed by the applicant(s).
- The Information Disclosure Statement Fee of \$180.00 under 37 C.F.R. § 1.17(p) is enclosed herewith.
- The Petition Fee of \$130.00 under 37 C.F.R. § 1.17(i)(1) is enclosed herewith.

Method of Payment of Fees

- Attached is a check in the amount of \$_____ . This form is submitted in duplicate.
- Charge Deposit Account No. 50-1275 in the amount of \$_____. This form is submitted in duplicate.
- Please charge any deficiency or credit any overpayment to Deposit Account 50-1275.
- No fee or Statement is required under 37 C.F.R. § 1.97(b).

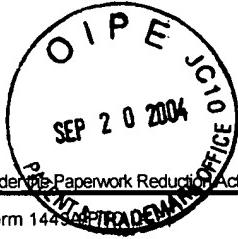
Respectfully submitted,



Paul K. Legaard, Ph.D.
Registration No. 38,534

Dated: 14 September 2004

COZEN O'CONNOR, P.C.
1900 Market Street, 5th Floor
Philadelphia, PA 19103-3508
(215) 665-2000 – Telephone
(215) 701-2013 - Facsimile



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

Approved for use through 10/31/2002. GPO 0-0001-0001
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

<i>Complete if Known</i>	
Application Number	10/078,949
Filing Date	February 20, 2002
First Named Inventor	Stanley T. Crooke
Group Art Unit	To Be Determined
Examiner Name	To Be Determined
Attorney Docket Number	ISIS0002-103 (ISIS-5027)

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.⁶ Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

2

of

2

Complete if Known

Application Number	10/078,949
Filing Date	February 20, 2002
First Named Inventor	Stanley T. Crooke
Group Art Unit	To Be Determined
Examiner Name	To Be Determined

Attorney Docket Number ISIS0002-103 (ISIS-5027)

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	GV	Struck, "Vaccine R&D Success Rates And Development Times," <i>Nature Biotechnology</i> , May 1996, Vol. 14, pp. 591-593.	
	GW	Ohtsuka et al., "Recognition By Restriction Endonuclease EcoRI Of Deoxyoctanucleotides Containing Modified Sugar Moieties," <i>J. Biochem</i> , 1984, Vol. 139, pp. 447-450.	
	GX	International Search Report Dated August 23, 2004 for International Application No. PCT/US03/09808.	

Examiner Signature	Date Considered
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